

displacing said so detached part of said animal feed to said animal feed stand and depositing it there.

✓ Claim 50. An apparatus in accordance with Claim 49, wherein said detaching means comprises a gripping element.

✓ Claim 51. An apparatus in accordance with Claim 49, wherein said detaching means comprises a bucket.

✓ Claim 52. An apparatus in accordance with Claim 49, wherein said detaching means comprises a shovel.

✓ Claim 53. An apparatus in accordance with Claim 49, wherein said detaching member comprises closure means.

✓ Claim 54. An apparatus in accordance with Claim 49, wherein said robot arm comprises cleaning means for cleaning said detaching means.

✓ Claim 55. An apparatus in accordance with Claim 49, wherein said robot arm comprises brushing means for brushing substances from said detaching means.

✓ Claim 56. An apparatus in accordance with Claim 54, wherein said cleaning means comprises a sweeping element.

✓ Claim 57. An apparatus in accordance with Claim 55, wherein said brushing means comprises a sweeping element.

✓ Claim 58. An apparatus in accordance with Claim 49, which comprises metering means that provides that said part of said animal feed comprises a predetermined measured-out portion of said animal feed which is detached by said detaching means.

✓ Claim 59. An apparatus in accordance with Claim 49, which comprises weighing means for weighing said part of said animal feed which has been detached by said detaching means.

✓ Claim 60. An apparatus in accordance with Claim 49, wherein said robot arm comprises weighing means for weighing said part of said animal feed detached by said detaching means.

✓ Claim 61. An apparatus in accordance with Claim 49, comprising animal identification means for identifying an animal in the immediate vicinity of said feed stand for the purpose of consuming said animal feed received therein.

✓ Claim 62. An apparatus in accordance with Claim 61, wherein said animal identification means is mounted on said robot arm.

✓ Claim 63. A apparatus in accordance with Claim 49, wherein said feed stand comprises a trough.

✓ Claim 64. An apparatus in accordance with Claim 49 in which said animal feed consists essentially of at least one of the following components: solid composites, a concentrate, silage, hay, fodder, a liquid including water or any mixture of the foregoing.

✓ Claim 65. An apparatus in accordance with Claim 64, which comprises a further container that contains one of said components which is different from the component in said first mentioned container.

✓ Claim 66. An apparatus in accordance with Claim 49, wherein said robot arm is disposed above said animal's feed stand.

✓ Claim 67. An apparatus in accordance with Claim 49, wherein said robot arm is disposed above said container.

✓ Claim 68. An apparatus in accordance with Claim 49, wherein said robot arm is disposed above said animal feed stand and said container.

✓ Claim 69. An apparatus in accordance with Claim 49, which comprises a chute via which said animal feed can be discharged to said animal feed stand.

✓ Claim 70. An apparatus in accordance with Claim 49, wherein said detaching means performs at least one function consisting of the following functions: the function of moving above the bottom of said container or the function of moving along the bottom of said container or the function of moving into said animal feed stand or any combination of said functions.

✓ Claim 71. An apparatus in accordance with Claim 49, which is supported on a floor, said robot arm being movable above said floor.

✓ Claim 72. An apparatus in accordance with Claim 71, which comprises a rail which is disposed over said floor, said robot arm being movable along said rail.

✓ Claim 73. An apparatus in accordance with Claim 72, wherein said feed stand comprises a trough.

✓ Claim 74. An apparatus in accordance with Claim 73, wherein said trough is disposed below said container.

✓ Claim 75. An apparatus in accordance with Claim 74, wherein said trough and said container are positioned in close proximity and disposed in a common vertical plane whereby said robot arm detaches feed from said container and places said feed into said trough directly and rapidly.

✓ Claim 76. An apparatus in accordance with Claim 49, which comprises a transport vehicle, which is movable between said container and said animal feed stand, said transport vehicle cooperating with said robot arm.

✓ Claim 77. An apparatus in accordance with Claim 76, which comprises a rail, said transport vehicle movable along said rail.

✓ Claim 78. An apparatus for automatically detaching and displacing animal feed for consumption by animals which comprises a plurality of containers, said containers providing different animal feeds, a plurality of troughs for receiving said animal feeds from said containers, an articulated robot arm which is constructed and arranged to move said animal feed from a selected one of said containers to at least one of said troughs, said robot arm comprising detaching means for detaching a predetermined portion of said animal feed from said animal feed in said one container and displacing means for selectively displacing said portion of animal feed to said trough and depositing said portion in said trough, said detaching means essentially consisting of a gripping element or a bucket or a shovel.

Claim 79. An apparatus for automatically detaching and displacing animal feed for consumption by animals which comprises a feeding station having a plurality of containers, said containers providing different animal feeds, a plurality of troughs in said station for receiving said animal feeds from said containers, a bendable robot arm which is constructed and arranged to move said animal feed from a selected one of said containers to at least one of said troughs, said robot arm comprising detaching means for obtaining a predetermined amount of animal feed from said animal feed in one of said containers and displacing means for selectively displacing said amount of animal feed into a selected trough of said troughs.